

GILA RIVER BASIN

09478200 DURHAM WASH NEAR FLORENCE, AZ

LOCATION.--Lat 32°43'20", long 111°06'30", NE¹/₄ sec.21, T.8 S., R.12 E., Pinal County, Hydrologic Unit 15050100, at U.S. Highway 80, 27 mi southeast of Florence.

DRAINAGE AREA.--15.6 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1954	07-20-54	3,340		1969	00-00-69	310	
1955	08-00-55	1,000		1970	08-00-70	290	
1956	07-00-56	100	ES	1971	08-20-71	² 3,500	
1957	00-00-57	2,700		1972	06-00-72	1,450	
1963	09-01-63	1,080		1973	10-19-72	100	ES
1964	09-14-64	¹ 1,790		1974	08-02-74	550	
1965	09-08-65	40	ES	1975	09-13-75	570	
1966	12-00-65	50	ES	1976	09-25-76	1,100	
1967	09-25-67	230		1980	07-00-80	³ 500	HP
1968	00-00-68	500					

¹Highest since 1957.

²Highest since 1954.

³Highest since 1976.

Magnitude and probability of instantaneous peak flow based on period of record 1954-57, 1963-76, 1980

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
561	1,320	2,050	3,260	4,390	5,710
Weighted skew	(logs) =	-0.08			
Mean	(logs) =	2.74			
Standard dev.	(logs) =	0.45			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
143	11.0	3,670	0.0	3.0	12.1	1.9	4.3

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